

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015934.D
 Acq On : 11 Oct 2023 19:16
 Operator : SY/MD
 Sample : 04805-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 12 02:00:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

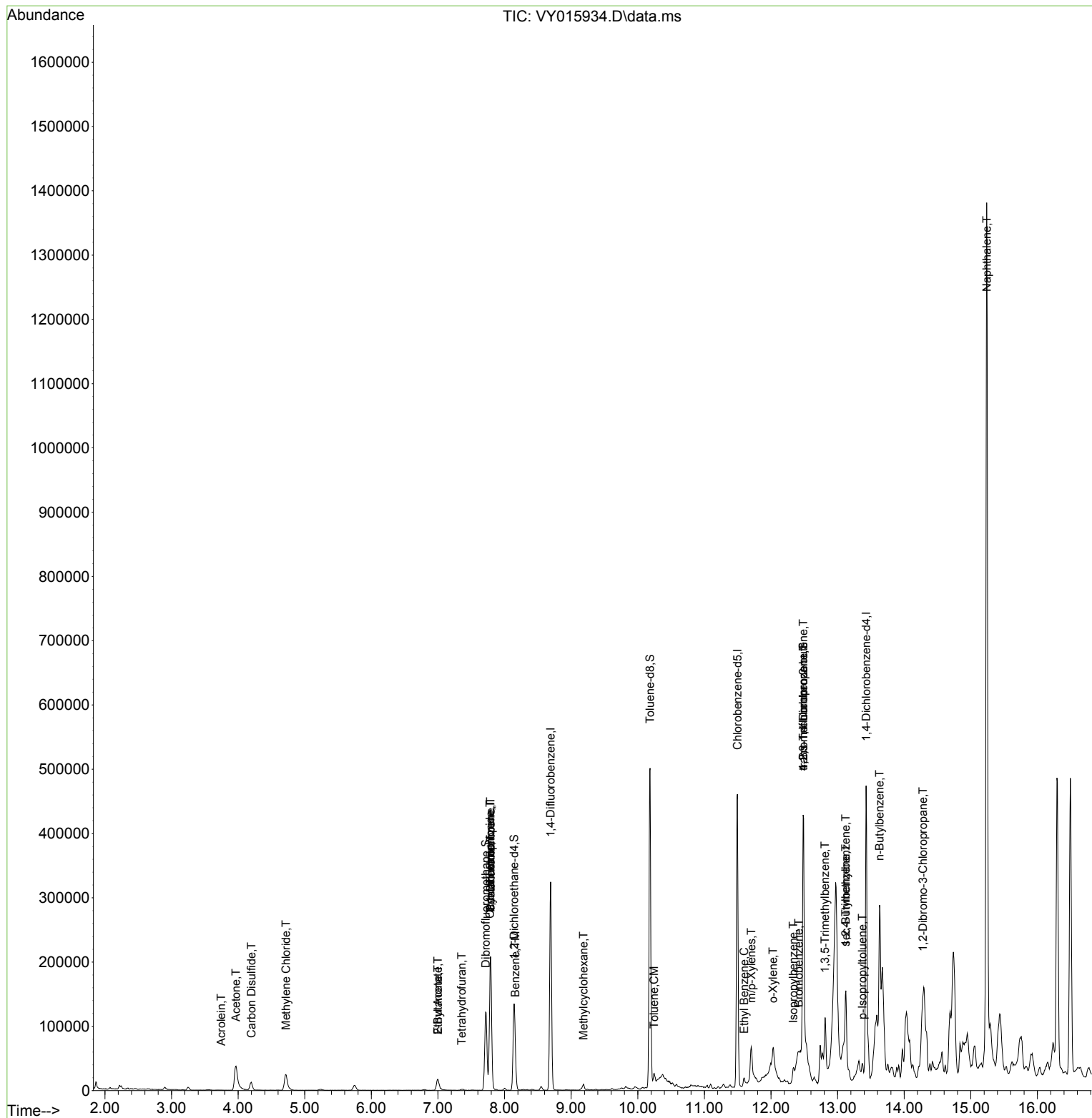
Internal Standards						
1) Pentafluorobenzene	7.789	168	164797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	282294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	258818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98634	66.517	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.040%			
35) Dibromofluoromethane	7.716	113	88542	56.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.460%			
50) Toluene-d8	10.185	98	331328	63.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 127.700%			
62) 4-Bromofluorobenzene	12.483	95	114371	54.262	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.520%			
Target Compounds					Qvalue	
13) Acrolein	3.747	56	285	3.145	ug/l #	14
16) Acetone	3.967	43	89028	130.977	ug/l	92
17) Carbon Disulfide	4.198	76	24840	19.222	ug/l	96
20) Methylene Chloride	4.716	84	18777	3.374	ug/l	87
25) 2-Butanone	6.997	43	34061	41.873	ug/l	97
29) Tetrahydrofuran	7.356	42	1332	2.993	ug/l #	81
31) Cyclohexane	7.789	56	4598	2.895	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11994	6.878	ug/l #	50
37) Ethyl Acetate	6.997	43	34061	22.742	ug/l #	71
38) Carbon Tetrachloride	7.783	117	16208	7.739	ug/l #	15
39) Methylcyclohexane	9.185	83	3632	2.050	ug/l	91
40) Benzene	8.161	78	19420	3.544	ug/l	97
52) Toluene	10.246	92	6456	1.775	ug/l	92
67) Ethyl Benzene	11.599	91	8272	1.068	ug/l	99
68) m/p-Xylenes	11.703	106	14742	5.051	ug/l	98
69) o-Xylene	12.032	106	7121	2.439	ug/l	98
73) Isopropylbenzene	12.337	105	8189	1.110	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	62779	45.982	ug/l #	100
77) Bromobenzene	12.416	156	83658	46.245	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.813	105	31228	5.136	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	62779	101.966	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	49365	8.062	ug/l	97
85) sec-Butylbenzene	13.123	105	49365	5.932	ug/l #	57
86) p-Isopropyltoluene	13.373	119	9562	1.389	ug/l	98
89) n-Butylbenzene	13.629	91	21923	3.365	ug/l #	48
92) 1,2-Dibromo-3-Chloropr...	14.282	75	11154	33.201	ug/l #	6
95) Naphthalene	15.239	128	1086180	216.404	ug/l	99

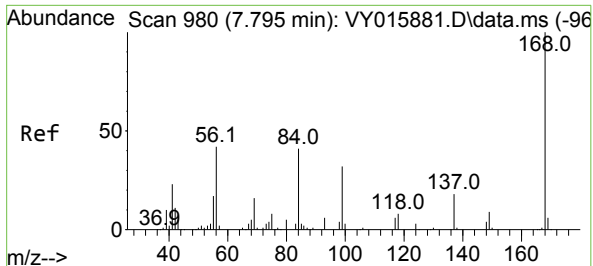
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015934.D
Acq On : 11 Oct 2023 19:16
Operator : SY/MD
Sample : 04805-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 12 02:00:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 10 07:06:18 2023
Response via : Initial Calibration

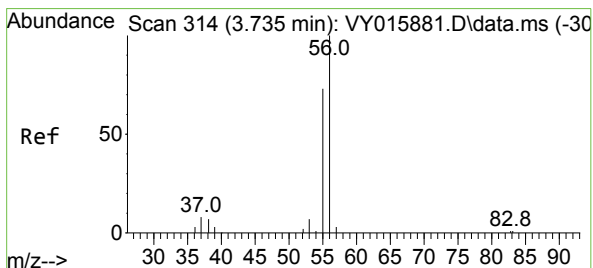
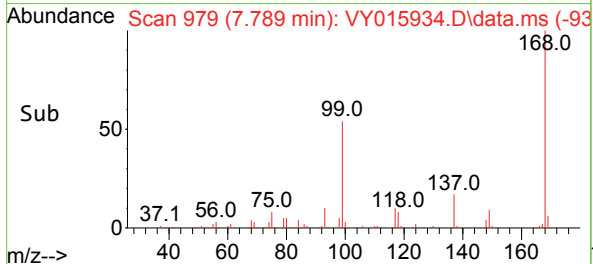
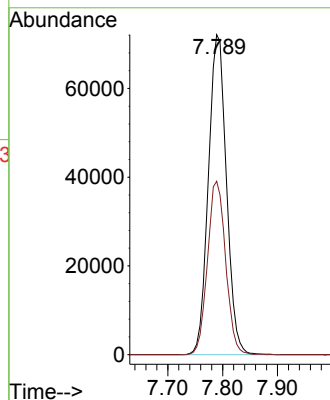
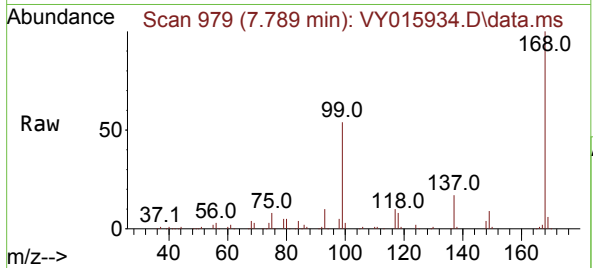




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

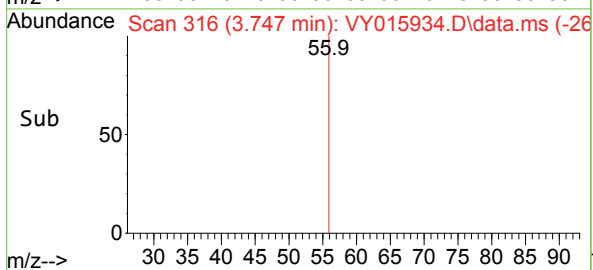
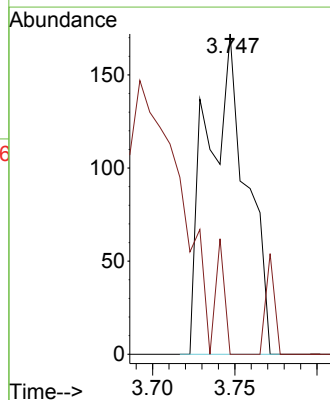
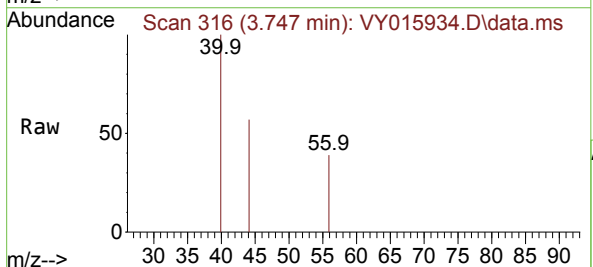
Instrument :
MSVOA_Y
ClientSampleId :

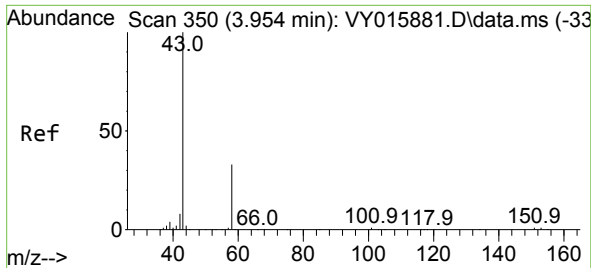
Tgt Ion:168 Resp: 164797
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#13
Acrolein
Concen: 3.145 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

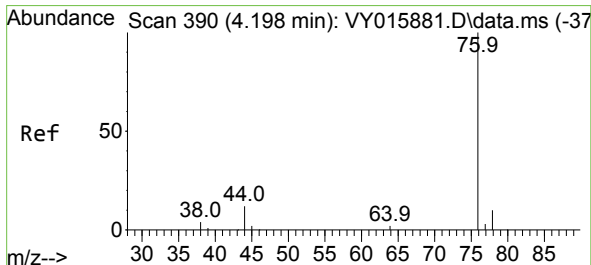
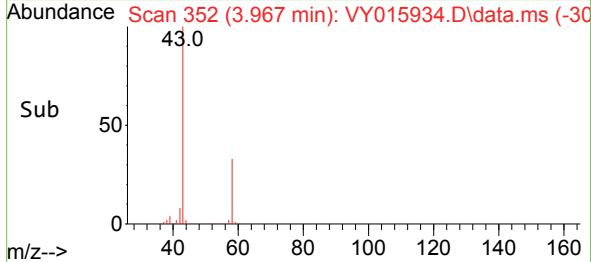
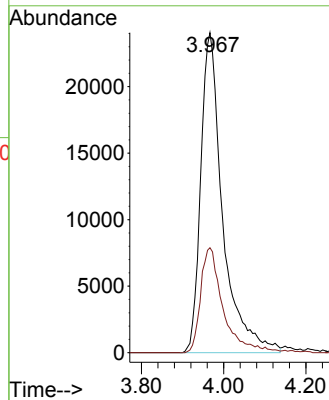
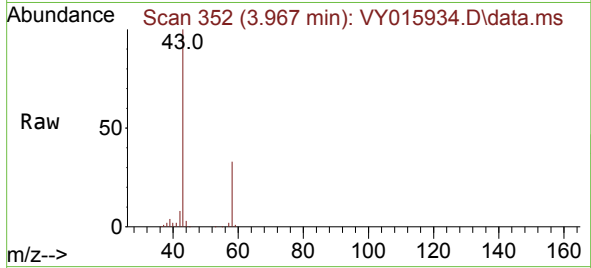




#16
Acetone
Concen: 130.977 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

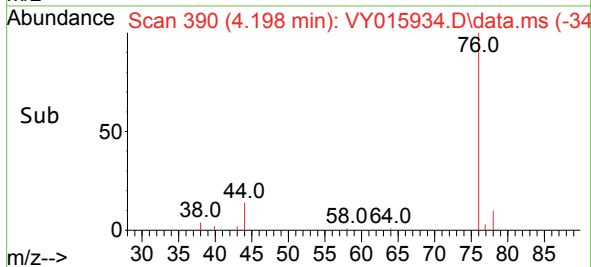
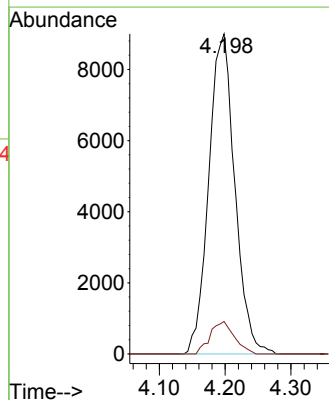
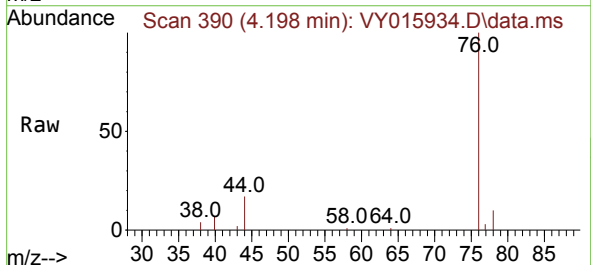
Instrument :
MSVOA_Y
ClientSampleId :

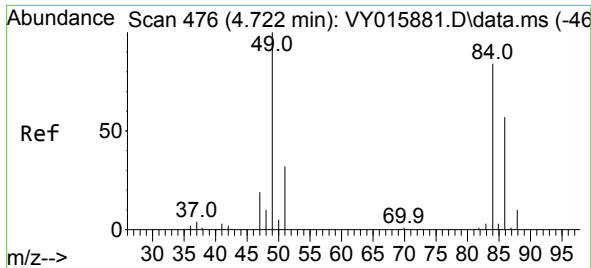
Tgt Ion: 43 Resp: 89028
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#17
Carbon Disulfide
Concen: 19.222 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

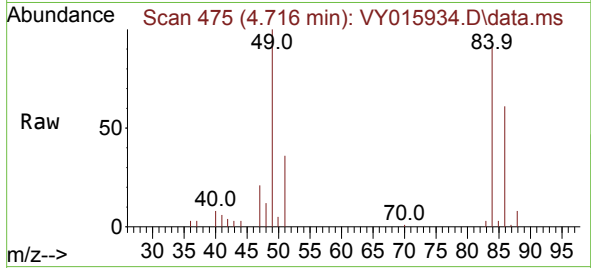
Tgt Ion: 76 Resp: 24840
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



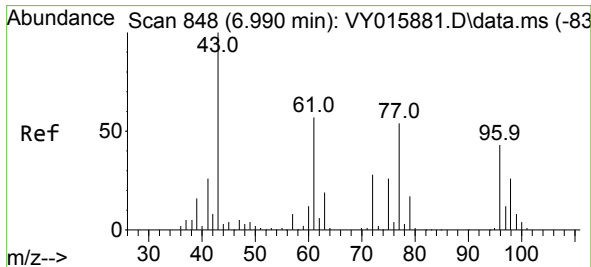
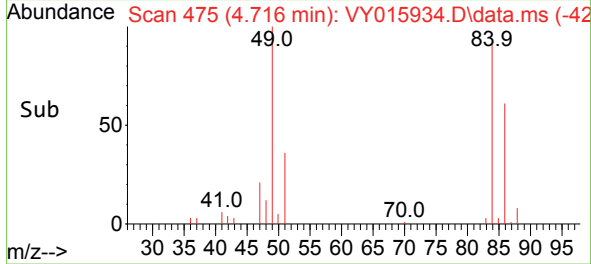
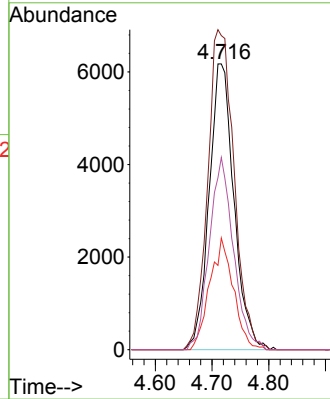


#20
Methylene Chloride
Concen: 3.374 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :

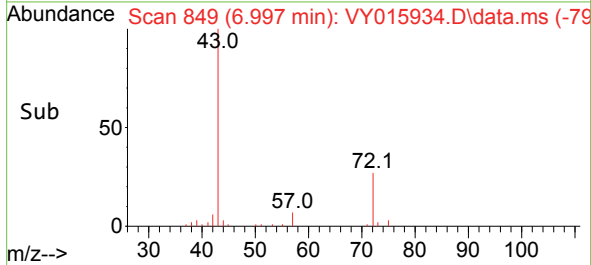
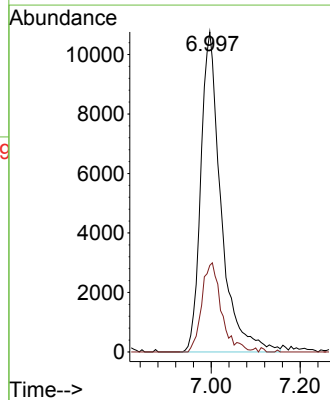
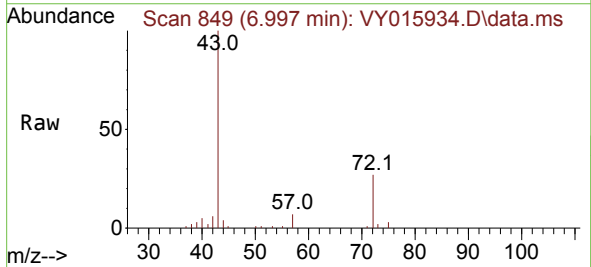


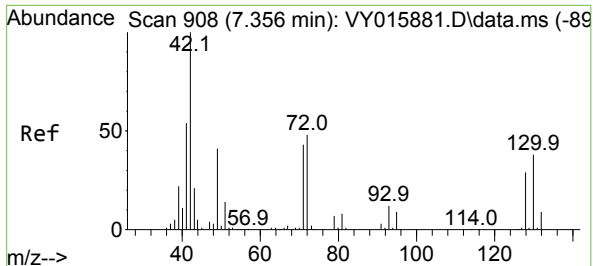
Tgt Ion: 84	Resp: 18777
Ion Ratio	Lower Upper
84 100	
49 109.9	106.9 160.3
51 39.1	33.2 49.8
86 67.2	51.0 76.6



#25
2-Butanone
Concen: 41.873 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 43	Resp: 34061
Ion Ratio	Lower Upper
43 100	
72 27.0	20.5 30.7





#29

Tetrahydrofuran

Concen: 2.993 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.000 min

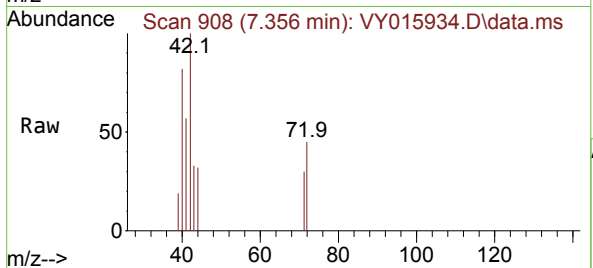
Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

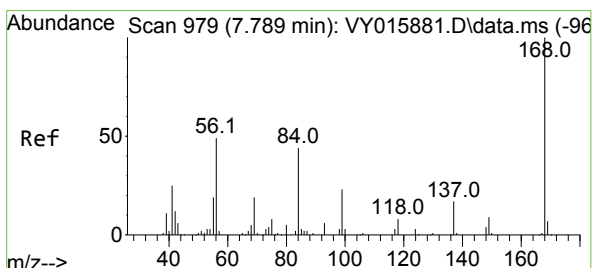
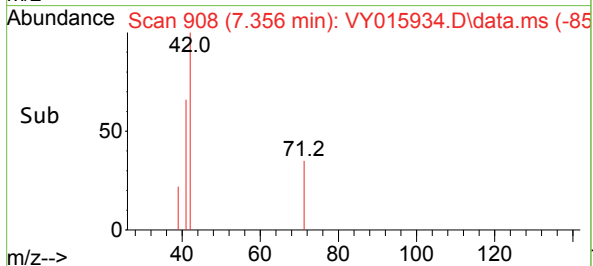
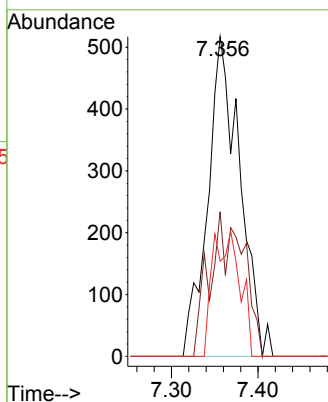
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1332
Ion	Ratio	Lower	Upper
42	100		
72	23.3	32.8	49.2#
71	32.9	31.0	46.4



#31

Cyclohexane

Concen: 2.895 ug/l

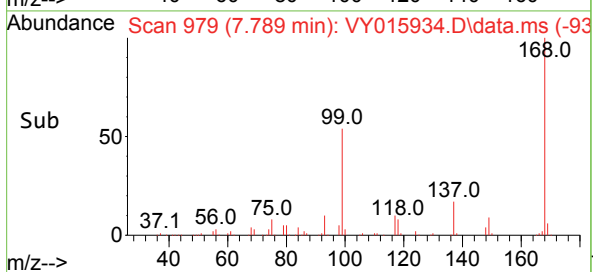
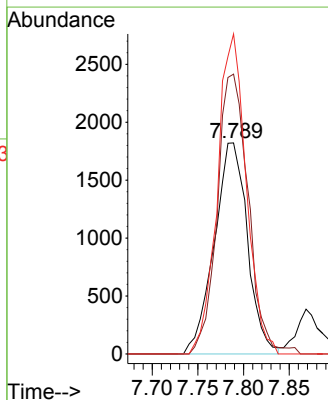
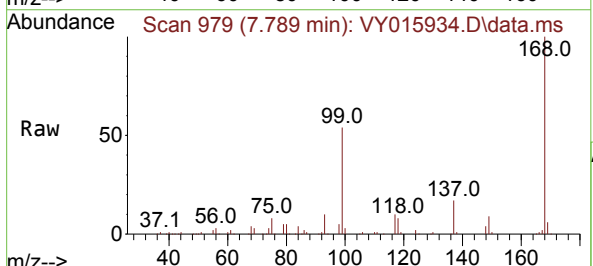
RT: 7.789 min Scan# 979

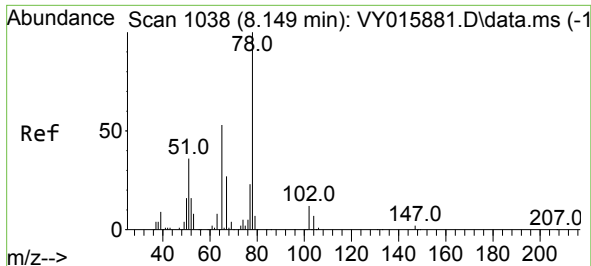
Delta R.T. 0.000 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Tgt Ion:	56	Resp:	4598
Ion	Ratio	Lower	Upper
56	100		
69	132.7	27.8	41.6#
84	151.7	66.4	99.6#

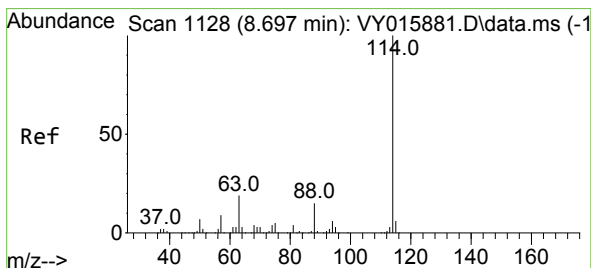
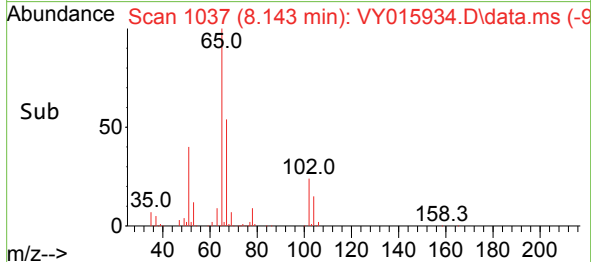
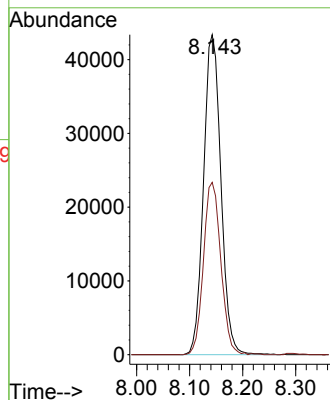
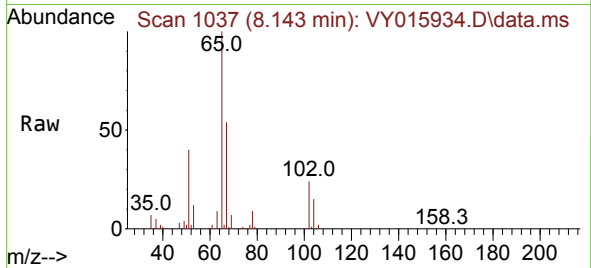




#33
 1,2-Dichloroethane-d4
 Concen: 66.517 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

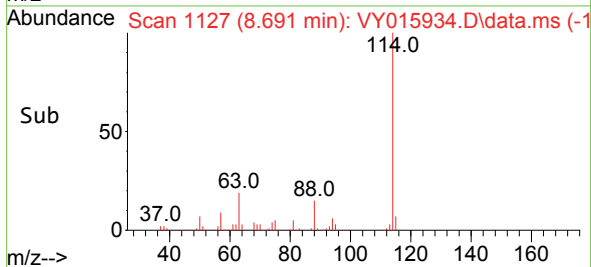
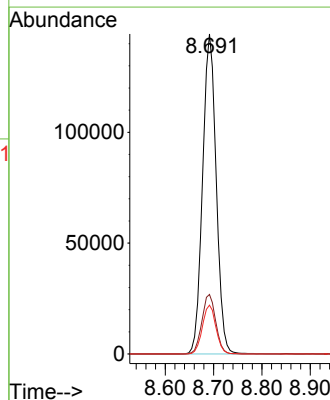
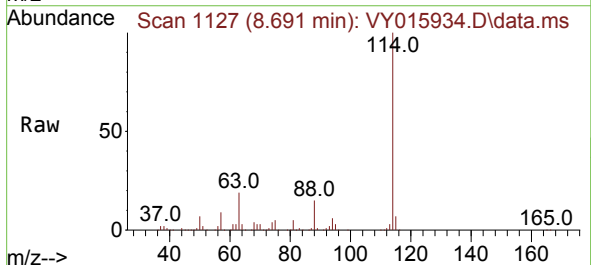
Instrument :
 MSVOA_Y
 ClientSampleId :

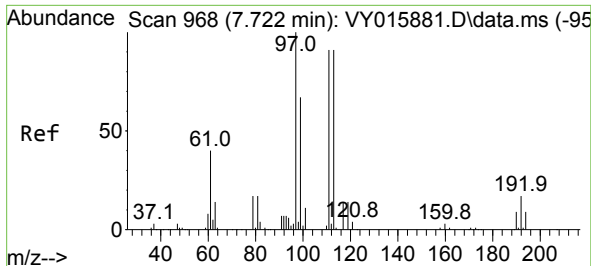
Tgt Ion: 65 Resp: 98634
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.006 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

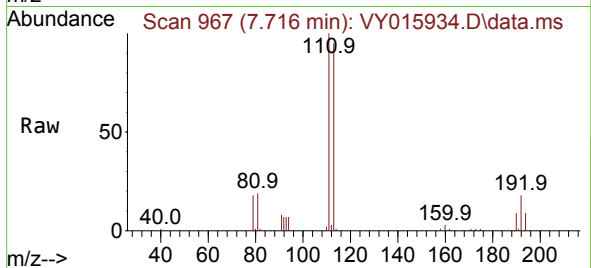
Tgt Ion: 114 Resp: 282294
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 15.2 0.0 30.6



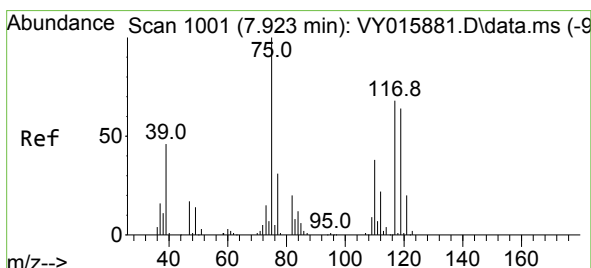
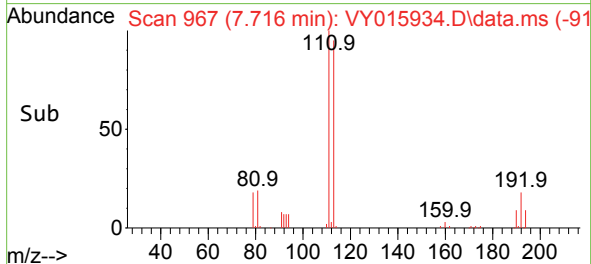
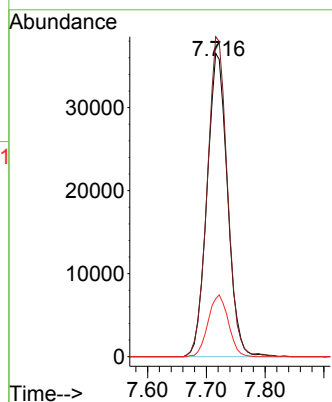


#35
Dibromofluoromethane
Concen: 56.232 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :

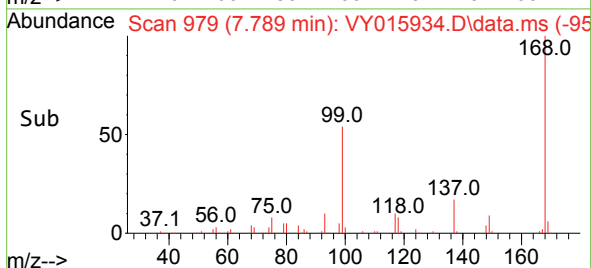
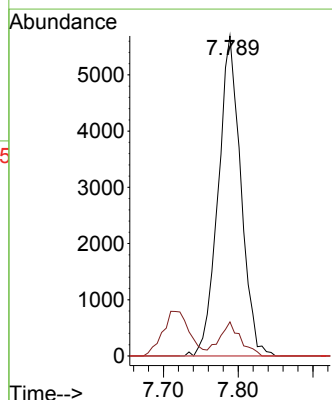
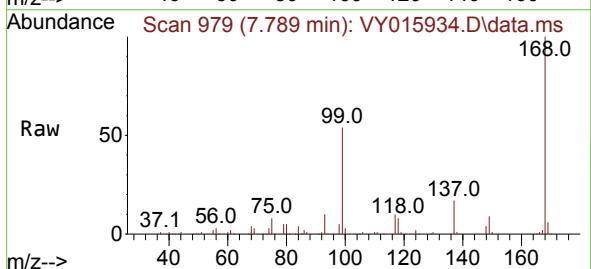


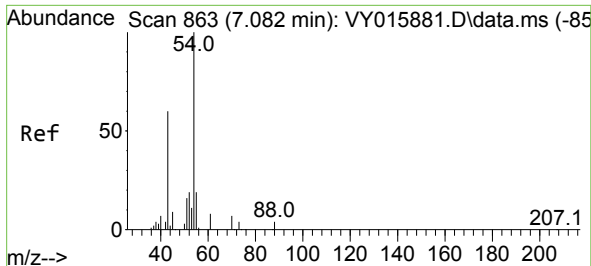
Tgt Ion:113 Resp: 88542
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 20.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.878 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 75 Resp: 11994
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 22.742 ug/l

RT: 6.997 min Scan# 849

Delta R.T. -0.085 min

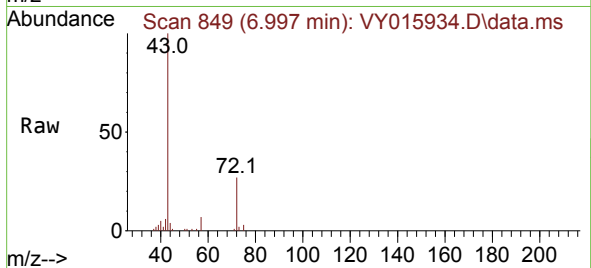
Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

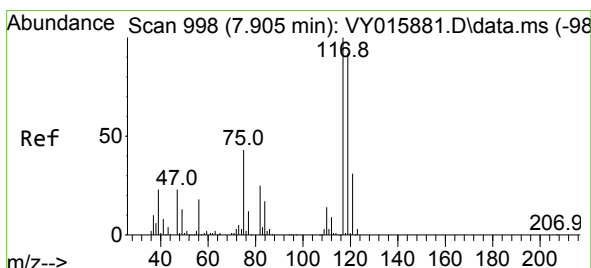
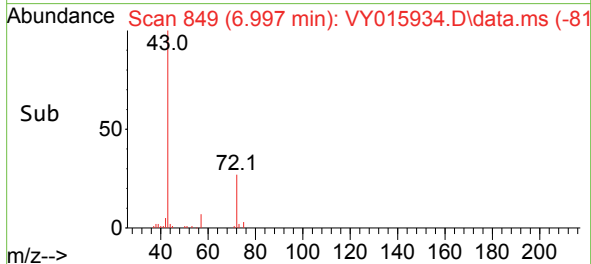
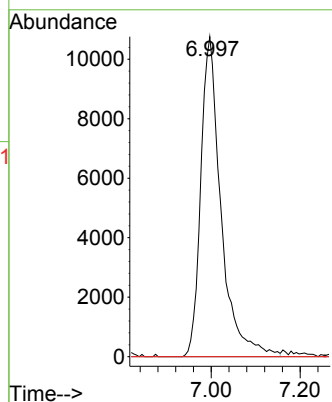
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	34061
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.739 ug/l

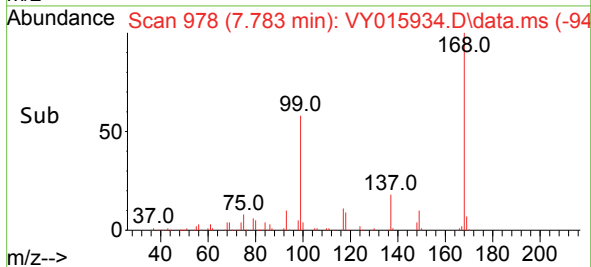
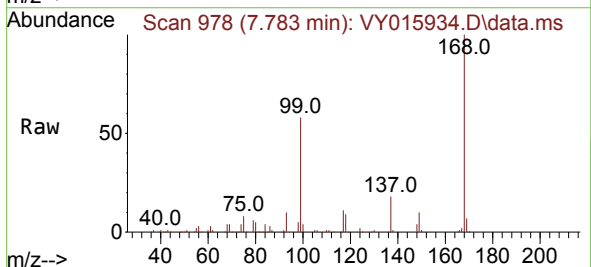
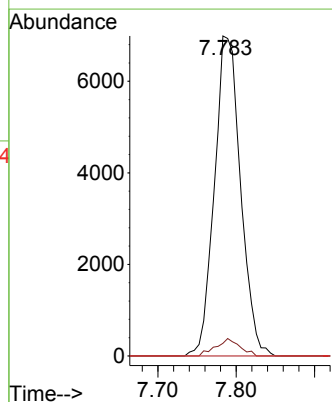
RT: 7.783 min Scan# 978

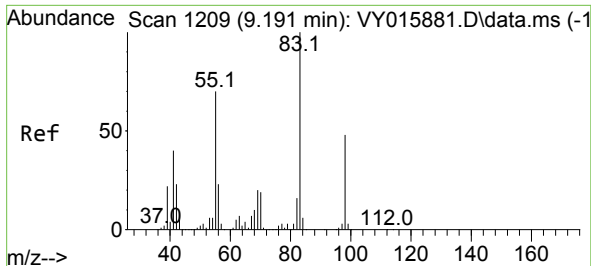
Delta R.T. -0.122 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Tgt Ion:	117	Resp:	16208
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.4	114.6#
121	0.0	25.8	38.6#





#39

Methylcyclohexane

Concen: 2.050 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.006 min

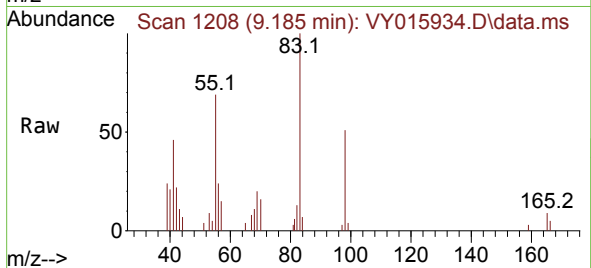
Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :



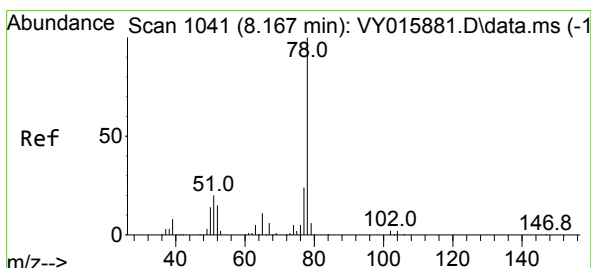
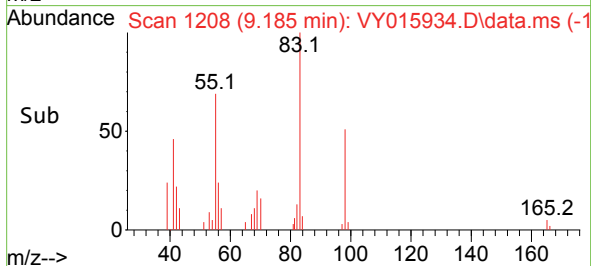
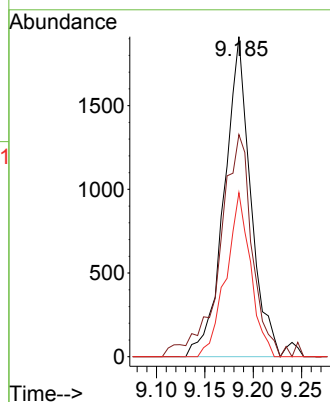
Tgt Ion: 83 Resp: 3632

Ion Ratio Lower Upper

83 100

55 69.4 63.0 94.4

98 51.3 37.4 56.2



#40

Benzene

Concen: 3.544 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY015934.D

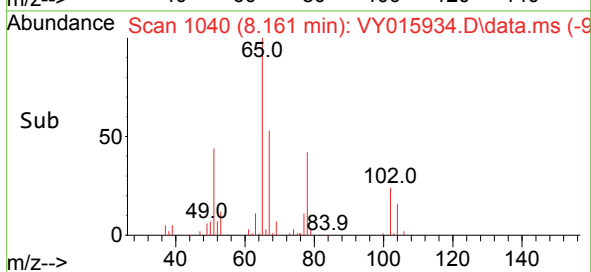
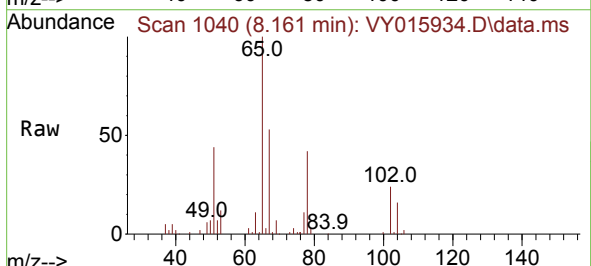
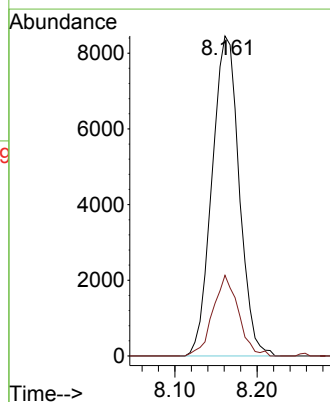
Acq: 11 Oct 2023 19:16

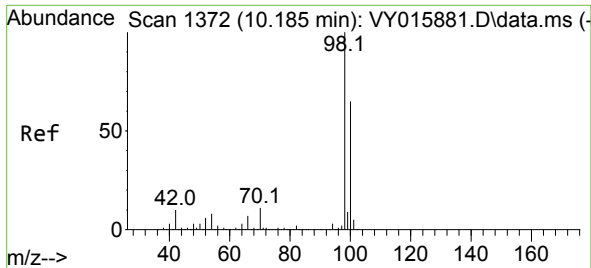
Tgt Ion: 78 Resp: 19420

Ion Ratio Lower Upper

78 100

77 25.2 19.0 28.6

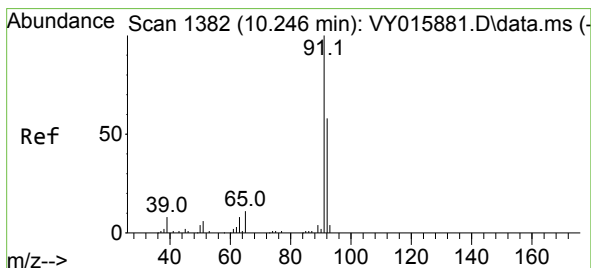
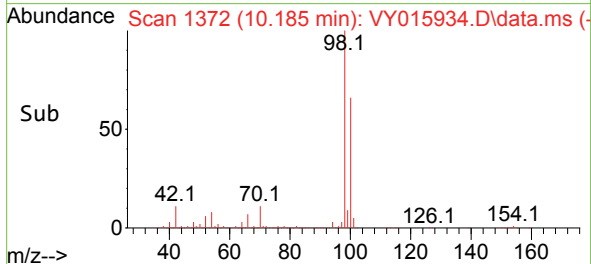
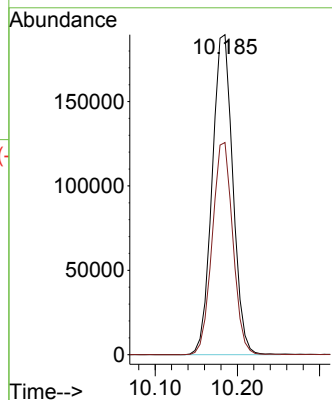
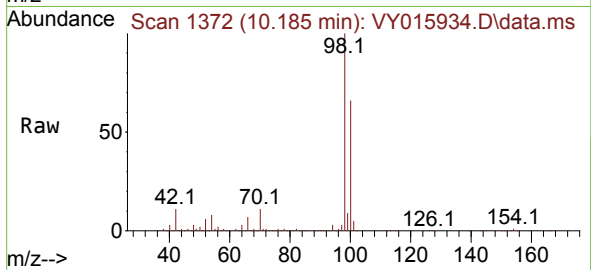




#50
Toluene-d8
Concen: 63.848 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

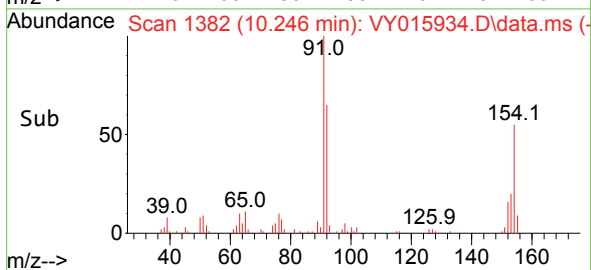
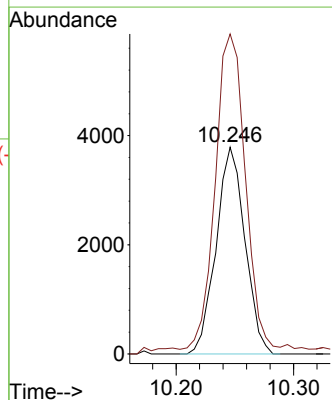
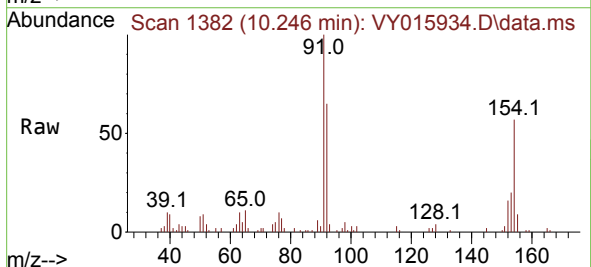
Instrument :
MSVOA_Y
ClientSampleId :

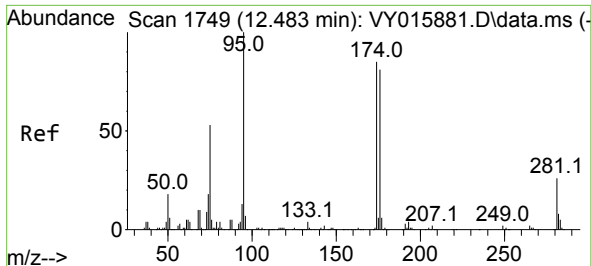
Tgt Ion: 98 Resp: 331328
Ion Ratio Lower Upper
98 100
100 66.1 50.1 75.1



#52
Toluene
Concen: 1.775 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 92 Resp: 6456
Ion Ratio Lower Upper
92 100
91 167.8 143.8 215.6

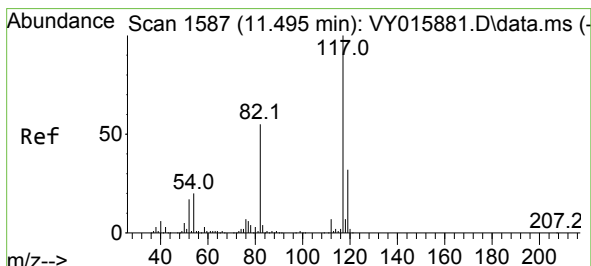
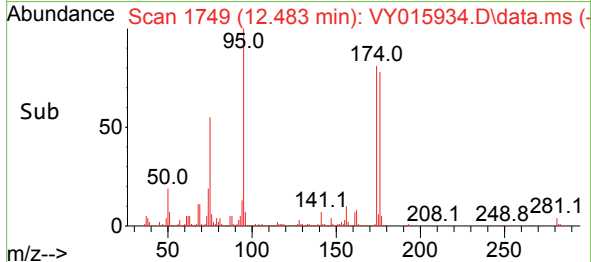
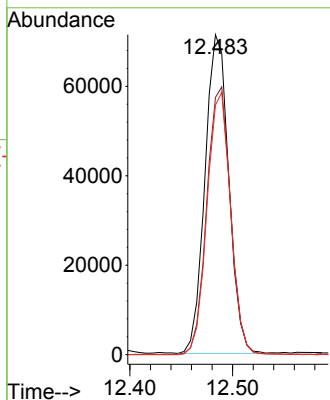
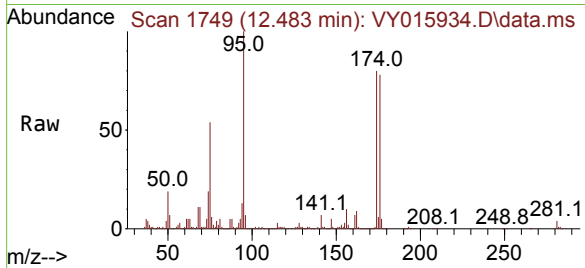




#62
4-Bromofluorobenzene
Concen: 54.262 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

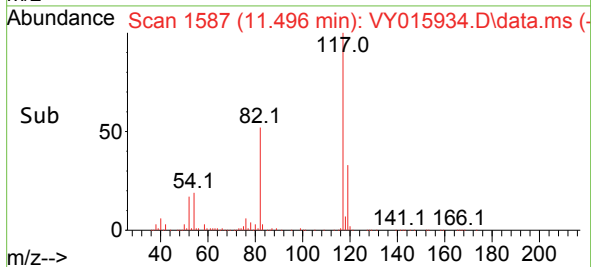
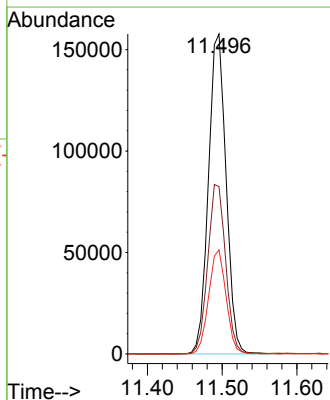
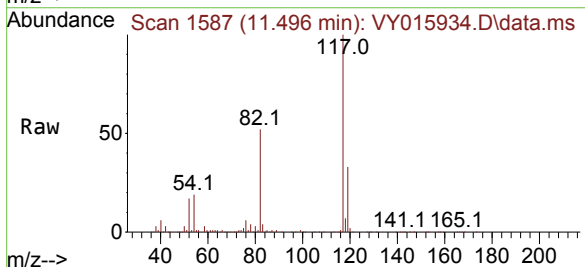
Instrument :
MSVOA_Y
ClientSampleId :

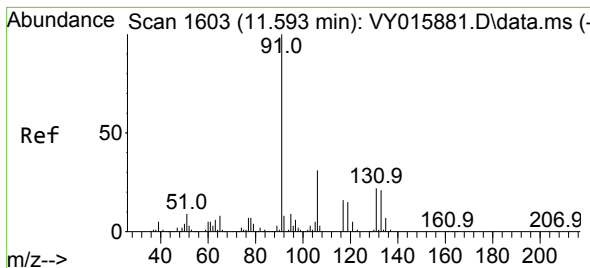
Tgt Ion: 95 Resp: 114371
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 117 Resp: 258818
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 32.5 26.3 39.5





#67

Ethyl Benzene

Concen: 1.068 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

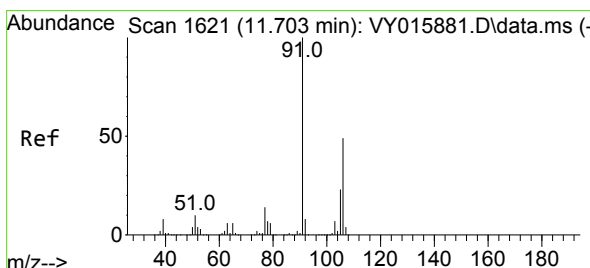
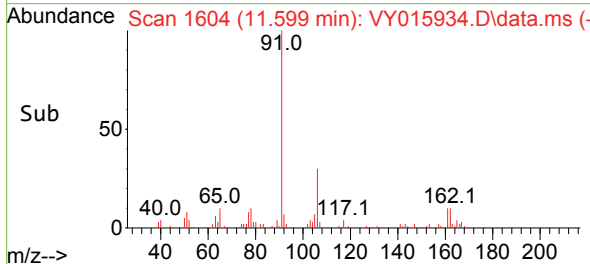
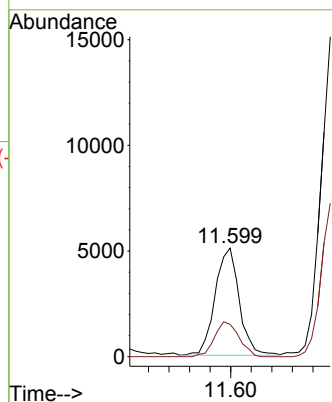
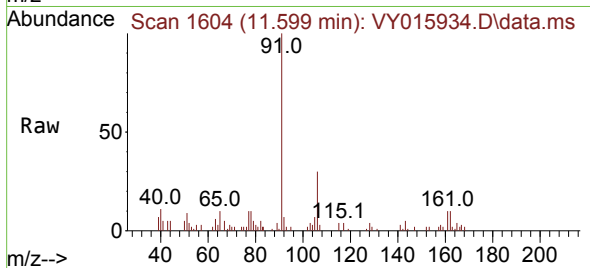
ClientSampleId :

Tgt Ion: 91 Resp: 8272

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8



#68

m/p-Xylenes

Concen: 5.051 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY015934.D

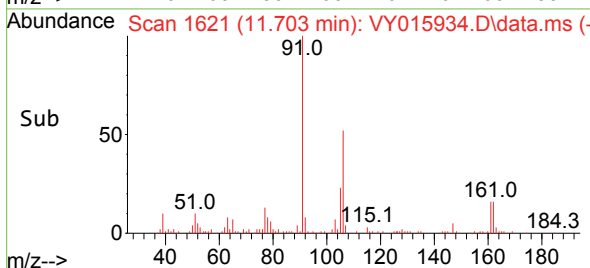
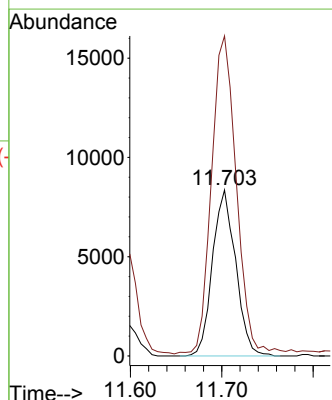
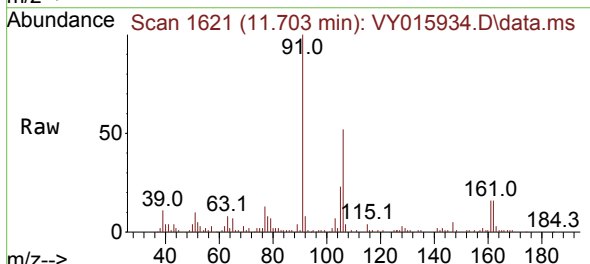
Acq: 11 Oct 2023 19:16

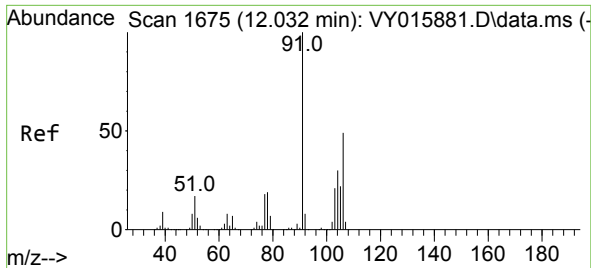
Tgt Ion:106 Resp: 14742

Ion Ratio Lower Upper

106 100

91 204.3 166.1 249.1

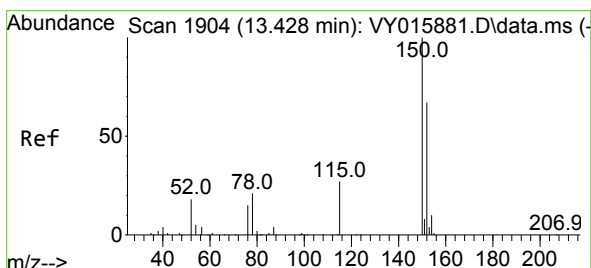
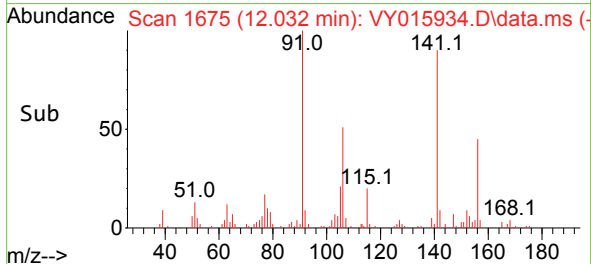
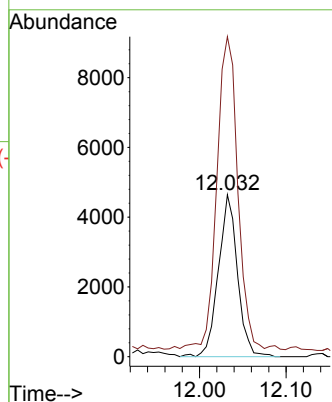
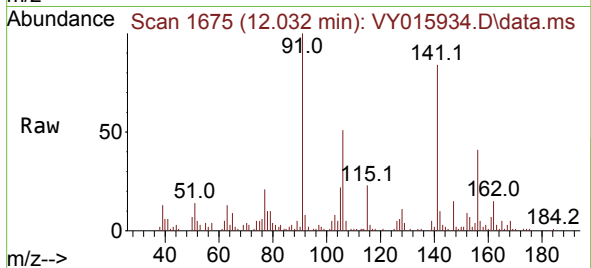




#69
o-Xylene
Concen: 2.439 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

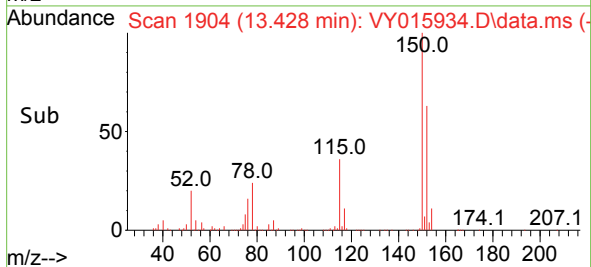
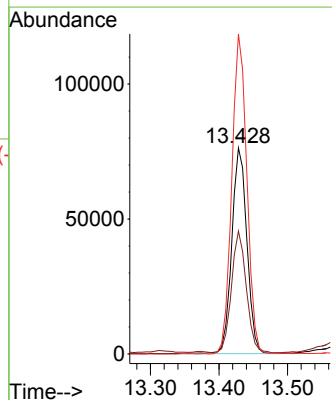
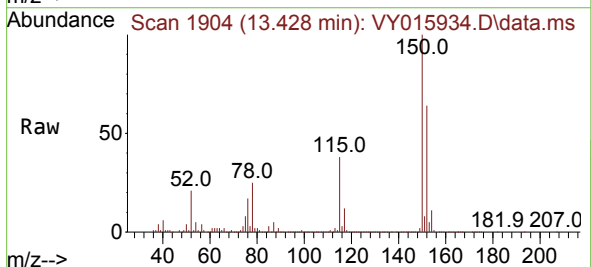
Instrument :
MSVOA_Y
ClientSampleId :

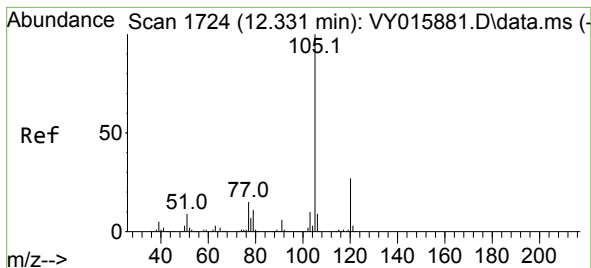
Tgt Ion:106 Resp: 7121
Ion Ratio Lower Upper
106 100
91 212.5 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion:152 Resp: 116953
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 155.0 0.0 348.8





#73

Isopropylbenzene

Concen: 1.110 ug/l

RT: 12.337 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

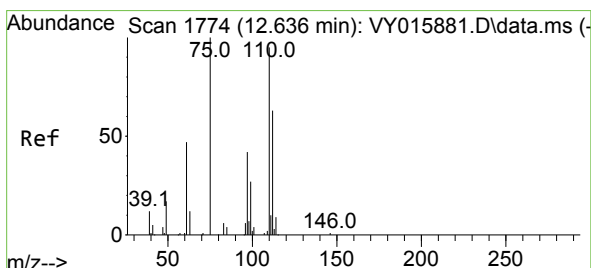
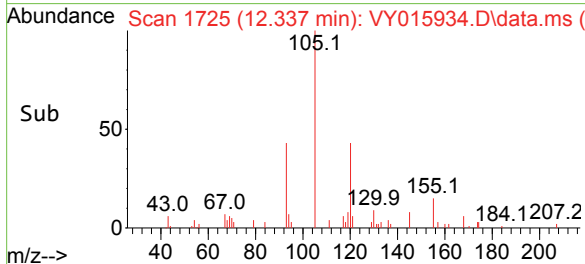
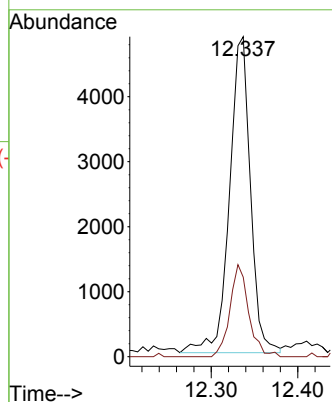
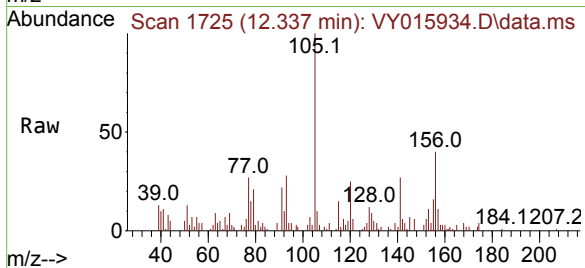
ClientSampleId :

Tgt Ion:105 Resp: 8189

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9



#76

1,2,3-Trichloropropane

Concen: 45.982 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY015934.D

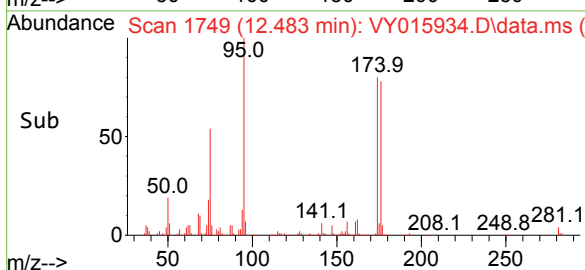
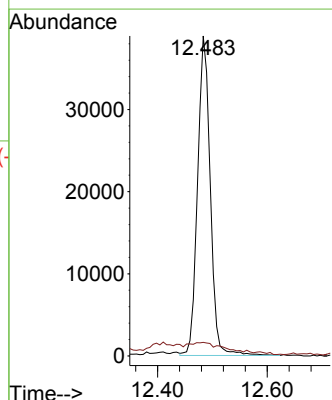
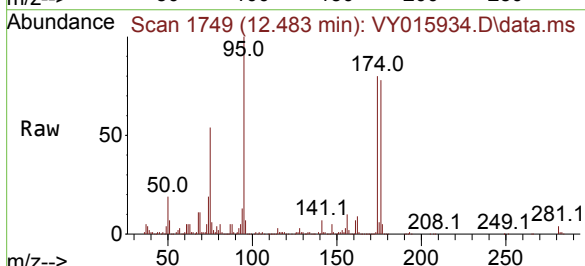
Acq: 11 Oct 2023 19:16

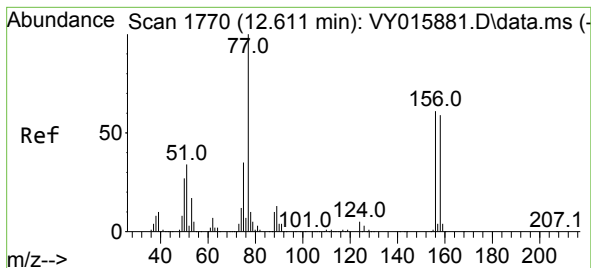
Tgt Ion: 75 Resp: 62779

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.245 ug/l

RT: 12.416 min Scan# 11

Delta R.T. -0.195 min

Lab File: VY015934.D

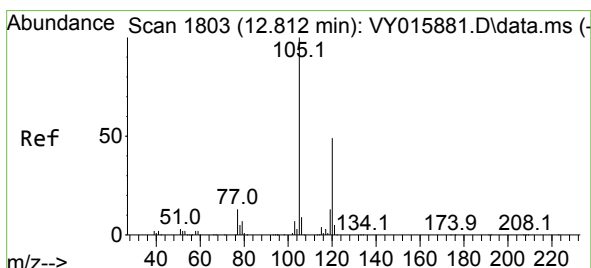
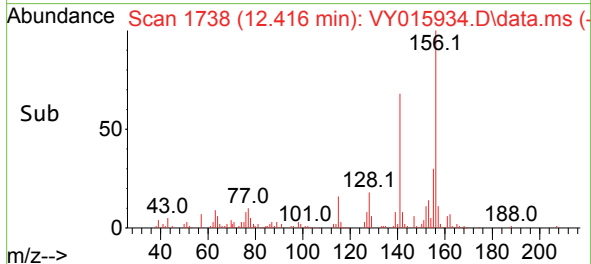
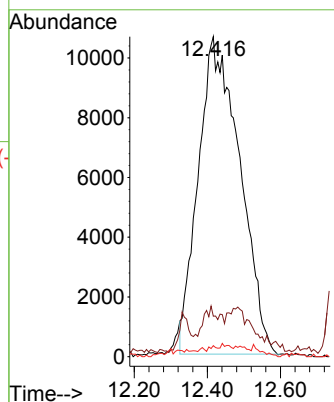
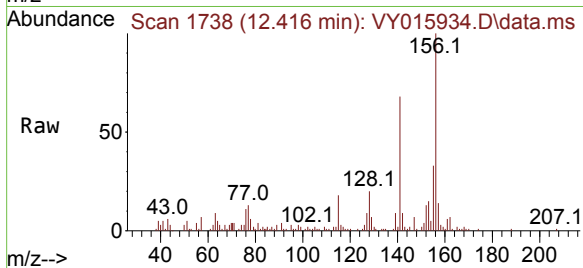
Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156	Resp:	83658
Ion Ratio	Lower	Upper
156	100	
77	0.0	92.8 278.6#
158	0.3	48.4 145.3#



#80

1,3,5-Trimethylbenzene

Concen: 5.136 ug/l

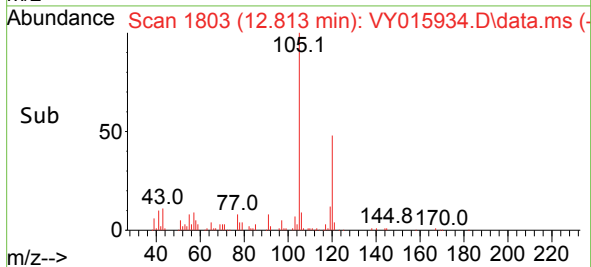
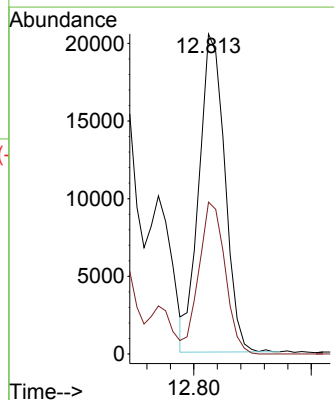
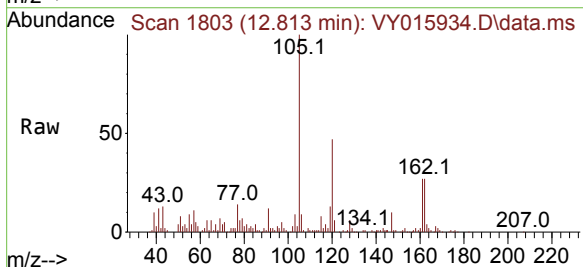
RT: 12.813 min Scan# 1803

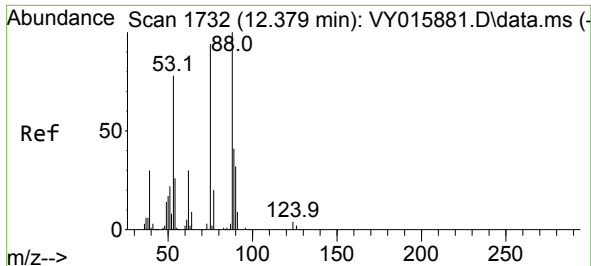
Delta R.T. 0.000 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

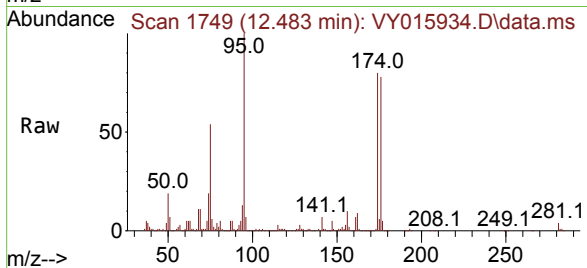
Tgt Ion:105	Resp:	31228
Ion Ratio	Lower	Upper
105	100	
120	48.6	23.9 71.7



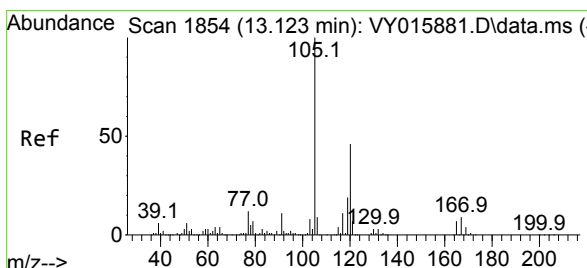
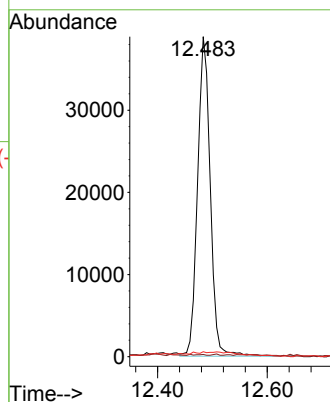
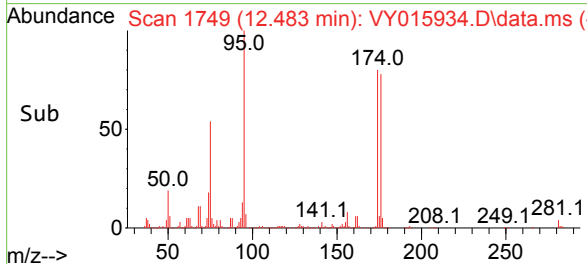


#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.966 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

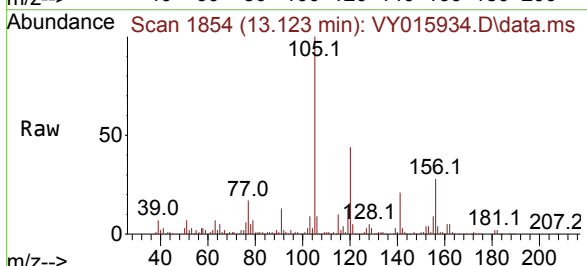
Instrument :
 MSVOA_Y
 ClientSampleId :



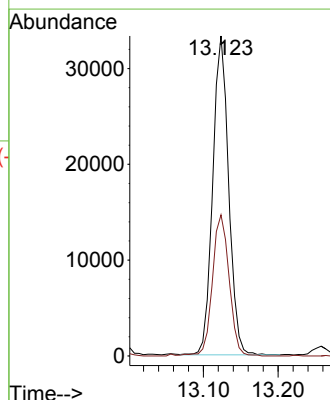
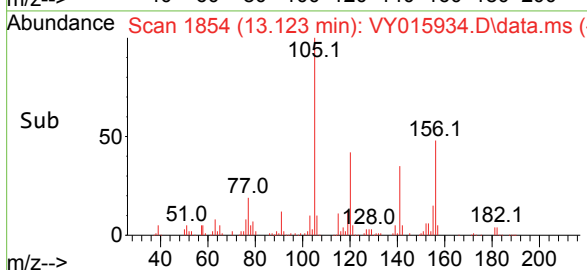
Tgt Ion: 75 Resp: 62779
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.2 37.4 56.0#

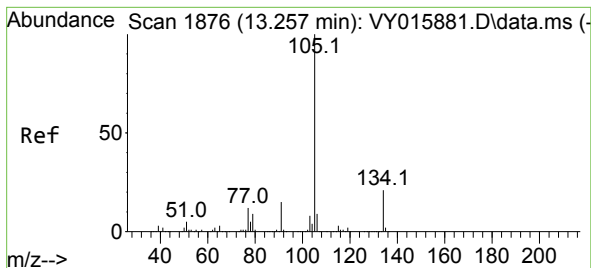


#84
 1,2,4-Trimethylbenzene
 Concen: 8.062 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16



Tgt Ion: 105 Resp: 49365
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 5.932 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

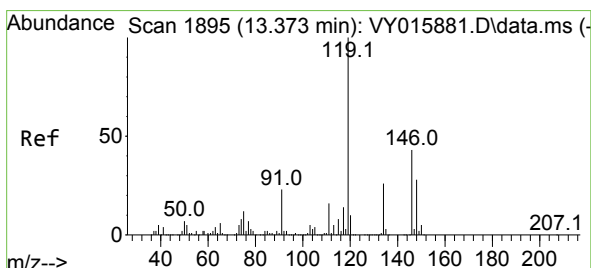
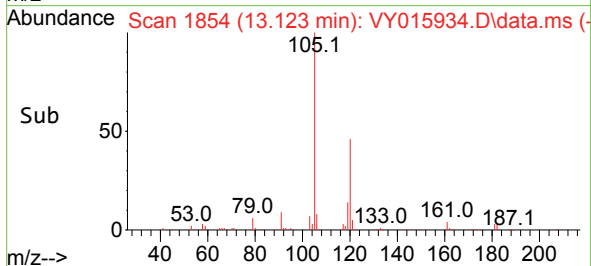
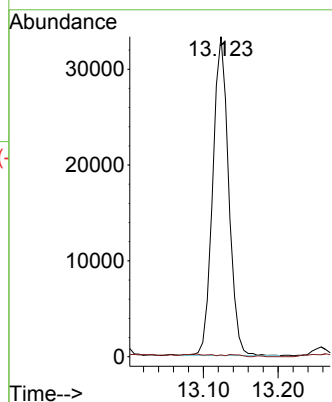
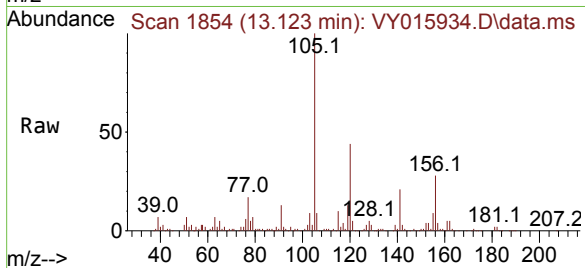
ClientSampleId :

Tgt Ion:105 Resp: 49365

Ion Ratio Lower Upper

105 100

134 0.5 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 1.389 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

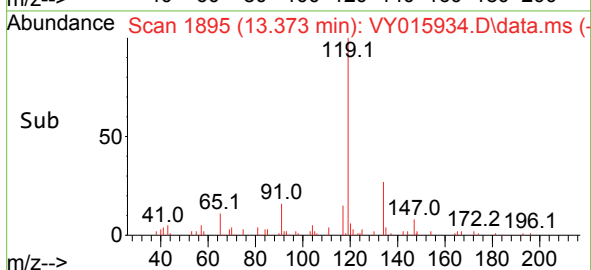
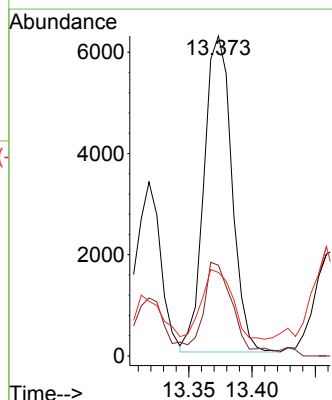
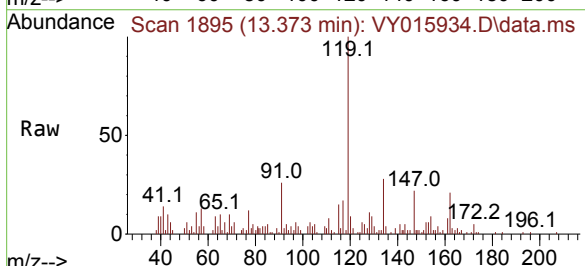
Tgt Ion:119 Resp: 9562

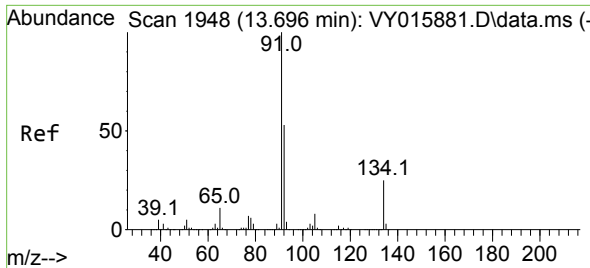
Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.8

91 23.8 12.4 37.4

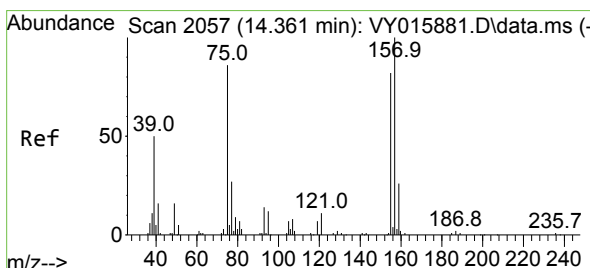
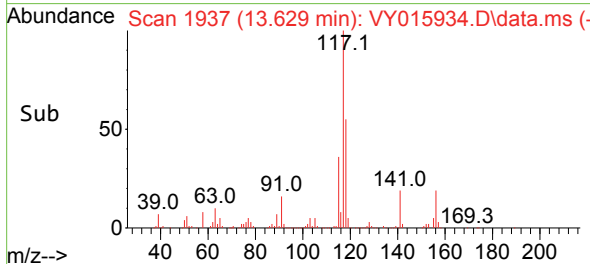
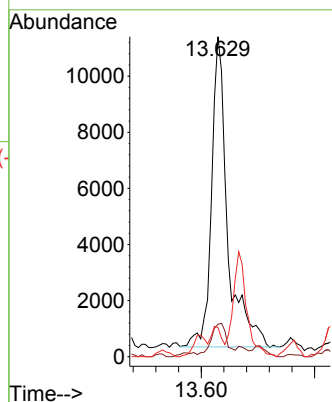
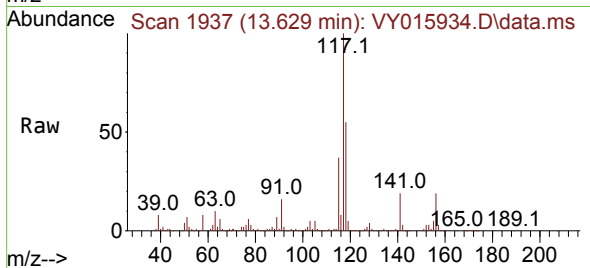




#89
n-Butylbenzene
Concen: 3.365 ug/l
RT: 13.629 min Scan# 1948
Delta R.T. -0.067 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

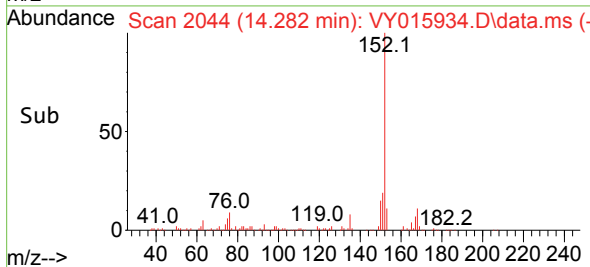
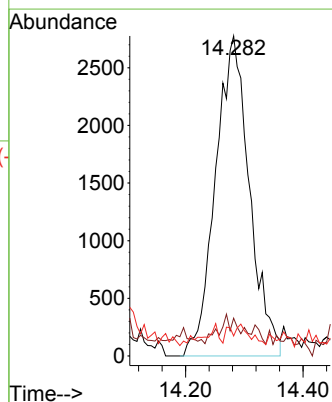
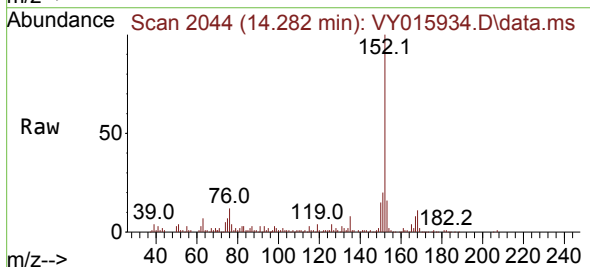
Instrument :
MSVOA_Y
ClientSampleId :

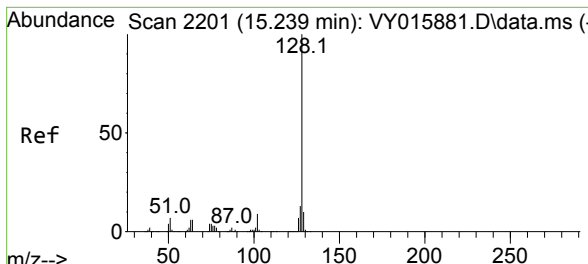
Tgt Ion: 91 Resp: 21923
Ion Ratio Lower Upper
91 100
92 9.9 25.4 76.0#
134 6.3 12.6 37.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 33.201 ug/l
RT: 14.282 min Scan# 2044
Delta R.T. -0.079 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

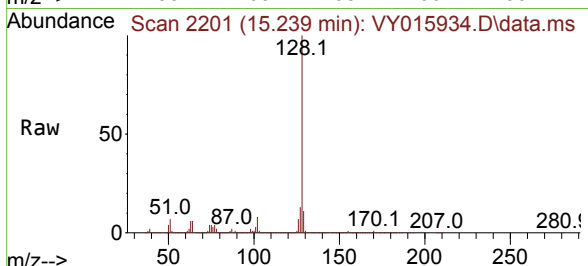
Tgt Ion: 75 Resp: 11154
Ion Ratio Lower Upper
75 100
155 5.4 41.5 124.6#
157 1.1 51.8 155.5#





#95
 Naphthalene
 Concen: 216.404 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 1086180

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.2	8.6	13.0

